

**BEST AVAILABLE COPY****WAVEGUIDE FORMING METHODS AND WAVEGUIDES FABRICATED  
THEREFROM****ABSTRACT**

[0073] A waveguide fabrication method includes depositing a photodefinable copolymer material comprising methyl methacrylate, tetrafluoropropyl methacrylate, and an epoxy monomer; fixing optical elements relative to the copolymer material; sending light through at least one of the optical elements and copolymer material towards the other; volatilizing uncured monomer. Another waveguide fabrication method includes: fixing optical elements relative to each other, each having an optical surface; providing a copolymer blob over the optical surfaces with sufficient surface tension to result in the copolymer blob having a curved surface; sending light through each of the optical elements towards the curved surface and the other; volatilizing uncured monomer. An optical path fabrication method comprises: fixing optical elements relative to each other, each having an optical surface; translating and rotating a mirror until aligned to optimally direct light from one of the optical elements to the other; securing the aligned mirror in position.